

Title (en)

Friction clutch with adjusting device, specially for automotive vehicles

Title (de)

Reibungskupplung mit Nachstellvorrichtung, insbesondere für Kraftfahrzeuge

Title (fr)

embrayage à friction à dispositif de rattrapage de jeu, notamment pour véhicule automobile

Publication

EP 0769632 A3 19971001 (FR)

Application

EP 96114785 A 19960916

Priority

FR 9511090 A 19950921

Abstract (en)

[origin: EP0769632A2] The friction clutch consists of a reaction plate fixed to a driving shaft. A friction disc has pads which are fixed to a driven shaft. It also comprises a pressure plate (1), a cover (2) and axially-moving elastic members (3). The clutch incorporates a clearance take-up system with peripheral sloping surfaces. The peripheral surfaces are located between a thrust member and the pressure plate and rotated by teeth (18) engaging with an endless screw (13) positioned tangentially. The screw is able to slide axially and is actuated by an elastic element (30), the effort of which increases as the friction pads wear down. A non-return mechanism (20) prevents the endless screw from turning in the other direction.

IPC 1-7

F16D 13/75

IPC 8 full level

F16D 13/58 (2006.01); **F16D 13/75** (2006.01)

CPC (source: EP KR US)

F16D 13/585 (2013.01 - EP US); **F16D 13/75** (2013.01 - KR); **F16D 13/757** (2013.01 - EP US)

Citation (search report)

- [DA] FR 2424442 A1 19791123 - BORG WARNER [US]
- [A] US 5320205 A 19940614 - KUMMER MARTIN E [US], et al

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FR2907862A1; EP1918599A1; CN103221707A; CN104214235A; CN105705814A; GB2314893A; US5927457A; DE19980451B4; DE19980244B4; DE102014221219A1; DE102014221219B4; US10428879B2; WO2012065588A1; DE102013200619A1; DE102011085838A1; WO2012065589A1; US8733525B2; US8746428B2

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DE ES IT

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DOCDB simple family (application)

FR 9511090 A 19950921; DE 69617163 T 19960916; EP 96114785 A 19960916; ES 96114785 T 19960916; JP 25195296 A 19960924; KR 19960041221 A 19960920; US 71542096 A 19960918